

Claims

1. X-ray stand comprising an outer C arm (1), along which a support (2) for an inner C arm (3) is displaceably mounted,
5 wherein the inner C arm (3), which carries an X-ray tube (4) and an image intensifier (5), is displaceably arranged in the support (2), and a drive device (25, 26, 40) for the displacement of the support (2) along the outer C arm (1) and for the displacement of the inner C arm (3) along the support
10 (2), characterized in that the drive device (25, 26, 40) consists of a single drive means (8, 27, 35) which influences the inner C arm (3) and the support (2) simultaneously in such a manner that the inner C arm (3) and the support (2) move in the same direction.
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2. X-ray stand according to Claim 1, characterized in that the drive device (25, 26, 40) is arranged in the support (2).
3. X-ray stand according to Claim 1 or Claim 2, characterized
20 in that the drive device (25, 26, 40) influences the inner C arm (3) and the support (2) with a gear ratio, wherein the gear ratios are in the same ratio to one another as the lengths of the two C arms (1, 3).
- 25 4. X-ray stand according to Claim 3, characterized in that the gear ratio is effected via a gear drive (FIG. 4).
5. X-ray stand according to any one of Claims 1 to 3, characterized in that the drive means (8, 27) displaces the
30 inner C arm (3) with the aid of a first belt transmission (9, 28) and drives a coupling wheel (20, 30) via a coupling transmission (18, 29, 30), which coupling wheel for its part displaces the support (2) via a second belt transmission (14,

24), whereby the ends of the belt (12) of the first belt transmission (9, 28) are fastened to the inner C arm (3) and the ends of the belt (17) of the second belt transmission (14, 24) are fastened to the outer C arm (1).

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6. X-ray stand according to Claim 5, characterized in that the coupling transmission is a drive belt (18).

7. X-ray stand according to Claim 5, characterized in that the
10 coupling transmission is a roller chain (18).

8. X-ray stand according to Claim 5, characterized in that the coupling transmission is a gear transmission (29, 30).

15 9. X-ray stand according to any one of Claims 1 to 8, characterized in that the outer C arm (1) is rotatably connected via a shaft (7) to a stand arm (6).